

## REMARKS

1. After entry of this paper, claims 7-22 are pending.  
Reconsideration of this application is respectfully requested.
2. Claims 7-20 stand rejected under 35 U.S.C. 112, first paragraph, as failing to comply with the written description requirement because the phrase “partially attenuating the upper and lower adjacent channels” introduces new matter.

In response, the following amendments have been made to claims 7 and 13 to overcome this rejection:

Claim 7 has been amended to recite,

“ . . . a first filter coupled to said first input of said mixer,  
said first filter processing an intermediate-frequency signal  
into an output signal comprising a selected channel and  
residues of upper and lower adjacent  
channels . . . .”

Claim 13 has been amended to recite,

“ . . . filtering an intermediate-frequency signal with a first  
filter to provide a filtered intermediate-frequency signal  
comprising a selected channel and residues of upper and  
lower adjacent channels . . . .”

Support for these amendments can be found, for example, on page 12 line 8 through page 13 line 5 and Fig. 2. Accordingly, no new matter is believed to be entered into claims 7-20.

In view of the foregoing, withdrawal of this rejection is respectfully urged.

3. Claims 7-9, 11, and 12 stand rejected under 35 U.S.C. 102(b) as being anticipated by U.S. Patent 5,748,262 to Boie. Claims 10 and 13-20 stand rejected under 35 U.S.C. 103(a) as being unpatentable over Boie.

Claims 7-12 now require that the first filter processes “an intermediate-frequency signal into an output signal comprising a selected channel and residues of upper and lower adjacent channels.” Claims 13-20 now require “filtering an intermediate-frequency

signal with a first filter to provide a filtered intermediate-frequency signal comprising a selected channel and residues of upper and lower adjacent channels.”

In contrast, Boie discloses in column 4, lines 46-53 and FIG. 3C that the signal at the output of filter 7 (first filter) includes the desired signal 3  $S_{if}^N$  and a part 9 of only the lower adjacent signal  $S_{if}^{N-1}$ .

“However, the signal at the output of the filter 7 includes not only the desired signal  $S_{if}^N$  but also a signal corresponding to the lower adjacent channel  $S_{if}^{N-1}$ , since the bandwidth K of the filter 7 is, for most standards, greater than the width L of the band 3.

The signal at the output of the filter 7 is represented in FIG. 3C; it includes the desired signal 3 ( $S_{if}^N$ ) and a part 9 of the lower adjacent signal  $S_{if}^{N-1}$ .”

Hence, the signal at the output of filter 7 in Boie does not include any portion of the upper adjacent signal  $S_{if}^{N+1}$ , as called for in claims 7-20. Consequently, Boie does not anticipate or render obvious the subject matter of claims 7-20. Accordingly, claims 7-20 are allowable over Boie.

In view of the foregoing, withdrawal of this rejection is respectfully urged.

4. New claims 21 and 22 each calls for a first filter that provides a filtered intermediate-frequency signal comprising a selected channel and residues of upper and lower adjacent channels. The cited prior art of record fail to disclose, teach or suggest such a feature. Accordingly, claims 21 and 22 are allowable.

5. Favorable reconsideration of this application is respectfully requested as it is believed that all outstanding issues have been addressed herein and, further, that claims 7-22 are in condition for allowance, early notification of which is earnestly solicited. Should there be any questions or matters whose resolution may be advanced by a telephone call, the examiner is cordially invited to contact the undersigned attorney at his number listed below.

6. The Director is hereby authorized to charge any underpayment of fees, or credit any overpayments, to Deposit Account No. 04-1679.

Respectfully submitted,

Dated: July 23, 2007

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